

False chamomile control in wheat (2005)

No-till durum was seeded June 6 near Lansford, ND. Herbicide treatments were applied preplant (PP) on May 20 and postemergence (POST) on July 5. Individual plots were 10 x 30 ft and replicated three times. All plots received a preplant glyphosate application with the exception of the untreated. On May 20, false chamomile was emerging to 5 inches tall with 15-40 plants/ft². On July 5, surviving false chamomile was 2-6 inches tall with 0-10 plants/ft² in the treated plots, while false chamomile in the untreated plot was 2-3 feet tall.

The objectives of this study were to 1) determine if Express tankmixed with preplant glyphosate would provide more false chamomile control than glyphosate applied alone, and 2) compare several postemergence herbicides for false chamomile control in wheat. The first two treatments did not receive a postemergence herbicide application. In treatment 1, glyphosate was applied alone preplant. In treatment 2, glyphosate + Express was applied preplant. In treatment 3, glyphosate was applied preplant followed by Ally + 2,4-D ester applied postemergence, and so on.

Express tankmixed with glyphosate provided more false chamomile control than glyphosate alone at all evaluation dates. Ally, Express, Affinity, and WideMatch provided greater than 93% control at the August evaluation. Bronate provided fair to good control, while Clarity provided poor control.

Treatment ^a	Rate	Timing	False chamomile		
			Jun 21	Jul 19	Aug 12
			% control		
Glyphosate	0.75 lb ae	PP	85	38	57
Express + NIS	0.167 oz + 0.25% v/v	PP	98	87	78
Ally + 2,4-D ester	0.1 oz + 0.75 pt	POST	85	84	99
Express + 2,4-DB ester	0.167 oz + 0.75	POST	84	86	100
Affinity (Harmony GT + Express) + 2,4-DB ester	(0.48 oz + 0.12 oz) + 0.75 pt	POST	85	83	96
WideMatch + MCPe	(0.48 oz + 0.12 oz) + 0.75 pt 1 pt + 0.5 pt	POST	88	84	93
Clarity + MCPe	2 fl oz + 0.5 pt	POST	84	68	50
Bronate Advanced	0.8 pt	POST	85	68	81
Untreated			0	0	0
LSD (0.05)			4	12	11
CV			3	10	9

^aGlyphosate plus AMS at 0.75 lb ae plus 2.5 gal/100 gal were applied preplant to every plot except the untreated.